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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re application of:
Junichi KARASAWA and Kunio WATANABE, both of Nagano-ken, Japan
Serial No: Not Assigned
Filed: February 6, 2002
For: Semiconductor Device, Memory System and Electronic Apparatus

Box PATENT APPLICATION
Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

CORRESPONDENCE ADDRESS:

☒ Customer Number

000026021



26021

PATENT TRADEMARK OFFICE

Transmitted herewith for filing is the patent application identified above.

- ☒ 16 sheet(s) of drawings (☒ formal ☐ informal) is(are) enclosed.
☒ 37 page(s) of specification and 1 page(s) of abstract of the invention are enclosed.
☒ An assignment of the invention to SEIKO EPSON CORPORATION ☐ is enclosed ☒ will follow.
☐ An associate power of attorney ☐ is enclosed ☐ will follow.
☐ Applicant claims small entity status. See 37 CFR 1.27.
☒ Declaration and Power of Attorney ☐ is enclosed ☒ will follow.
☐ Certified copies of Japanese Patent Application No. 2001-88309 filed March 26, 2001 and Patent Application No. 2001-330784 filed October 29, 2001, from which priority is claimed under 35 U.S.C. § 119 will follow.
☐ IDS enclosed (☐ with [# of refs.] reference(s)).
☐ Preliminary Amendment is enclosed.
☐ Application data sheet is enclosed. See 37 CFR 1.76.
☒ Return postcard is enclosed.

CALCULATION OF FEES

| ITEM | | TOTAL NO. OF CLAIMS | | NO. OF CLAIMS OVER BASE | LG/SM \$ ENTITY FEE | | \$ AMOUNT | \$ FEE |
|------|--|---------------------|-----|-------------------------|---------------------|--|-----------|------------|
| A | TOTAL CLAIMS FEE E | 39 | -20 | 19 | LG=\$18 SM=\$9 | \$18 | 342.00 | |
| B | INDEPENDENT CLAIMS FEE* | 1 | -3 | 0 | LG=\$84 SM=\$42 | \$84 | \$ 0 | |
| C | SUBTOTAL - ADDITIONAL CLAIMS FEE (ADD FINAL COLUMN IN LINES A + B) | | | | | | | 342.00 |
| D | MULTIPLE-DEPENDENT CLAIMS FEE | | | | | LARGE ENTITY FEE = \$280 SMALL ENTITY FEE = \$140 | | \$ 280.00 |
| E | BASIC FEE | | | | | LARGE ENTITY FEE = \$740 SMALL ENTITY FEE = \$370 | | \$ 740.00 |
| F | TOTAL FILING FEE (ADD TOTALS FOR LINES C, D, AND E) | | | | | | | \$ 1362.00 |
| G | ASSIGNMENT RECORDING FEE | | | | | | | \$ 40 |
| | *LIST INDEPENDENT CLAIMS 1 | | | | | | | \$ 40 |

- ☐ Please charge my Deposit Account No. 50-1314 the amount of \$ 0. A copy of this letter is enclosed.
☐ A check in the amount of \$ 0 to cover the filing fee is enclosed.
☐ A check in the amount of \$ 40.00 to cover Assignment Recordation fee is enclosed.
☐ The Commissioner is hereby authorized to charge any deficiency for the following fees associated with this communication or credit any overpayment to Deposit Account No. 50-1314. **A copy of this sheet is enclosed.**
☐ Any additional filing fees required under 37 C.F.R. 1.16
☐ Any patent application processing fees under 37 C.F.R. 1.17

Respectfully submitted,
HOGAN & HARTSON L.L.P.

By:

Anthony J. Orlor
Registration No. 41,232
Attorney for Applicant(s)

Date: February 6, 2002

500 South Grand Avenue, Suite 1900
Los Angeles, CA 90071
Telephone: (213) 337-6700
Facsimile: (213) 337-6701

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Art Unit: Not Assigned

Examiner: Not Assigned

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Dear Sir:

I hereby certify that

- ☒ two copies of a letter of transmittal
- ☐ patent application (37 page(s) of specification; 39 claim(s); 1 page(s) of abstract
- ☒ 16 sheet(s) of formal drawings
- ☐ return postcard

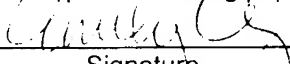
are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service with sufficient postage under 37 C.F.R. § 1.10 on the date indicated above and are addressed to:

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Date: February 6, 2002

Hogan & Hartson, LLP
500 South Grand Avenue, Suite 1900
Los Angeles, California 90071
Telephone: 213-337-6700
Facsimile: 213-337-6701

Emily Cruz
Name of person mailing papers


Signature